



# 応化分子教室セミナー

Center for Molecular Systems (CMS), The 44th International CMS Seminar

## Challenging Materials Innovation for Molecular Optoelectronics

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**伊都キャンパス ウェスト4号館 314号室**  
(物質系4番講義室)

Prof. Soo Young Park (ソウル大学) は光化学、機能性有機材料の分野で世界的に著名な研究者であり、最新の分子オプトエレクトロニクスへの展開についてご講演いただくことになりました。多数のご来聴をお待ち申し上げます。

[Abstract] Controlling the molecular and supramolecular properties of  $\pi$ -conjugated molecules via rational molecular design of primary chemical structure is to make innovation in organic electronics and photonics. In this presentation, I will demonstrate novel molecular design strategies developed in my group which afford unique and peculiar control on the molecular stacking, energy transfer, electron transfer, patterning, and sensing. Keywords for the topics to be covered in this presentation are as follows: molecule with elastic twist, aggregation-induced emission, piezochromic fluorescence, frustrated energy transfer, supramolecular exciplex, molecular pixel, organic heterojunction, organic field-effect transistor, switching of photoinduced electron transfer, solvent vapor annealing, time-gated sensing to list a few.

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